

Application No. 10/042,342

**REMARKS**

The election restriction requirement is respectfully traversed, particularly since it is believed that no undue burden would be placed on the Examiner for accomplishing a search with respect to the Group I Claims 1 to 5 and the Group II Claims 6 to 34. Nevertheless, to advance and expedite prosecution, Applicants hereby elect with traverse the Group II Claims 6 to 34, it being noted that the Group I claims have been cancelled without prejudice.

As directed by the Examiner, reference page 3 of the Official Action, Applicants hereby elect the Group II species, that is Claims 16, 28 to 32, and 34. Claims that may be readable thereon include embodiments encompassed, for example, by Claims 6 though 15, 17 through 27, and 33.

Moreover, since it is not clear if the Examiner is also requesting Applicants to elect a single species, should this be the situation Applicants hereby elect the species of Formula (3), Claim 28.

With further respect to the species rejection, Applicants traverse the Examiner's positions, especially since it is believed that the various species are sufficiently related in a number of instances to permit such claims to be examined simultaneously.

Application No. 10/042,342

In the event the Examiner considers personal contact advantageous to the disposition of this case, he is hereby authorized to call Eugene O. Palazzo, at Telephone Number 585-423-4687, Rochester, New York.

Respectfully submitted,



Eugene O. Palazzo  
Attorney for Applicant(s)  
Registration No. 20,881  
(585) 423-4687

EOP/jah

July 24, 2002

Xerox Corporation  
Xerox Square 20A  
Rochester, New York 14644

Application No. 10/042,342

**VERSION WITH MARKINGS TO SHOW CHANGES MADE:****IN THE SPECIFICATION:**

Page 1, line 6:

Illustrated in copending applications U.S. Serial No. [(not yet assigned - D/A1332)] 10/042,358, U.S. Serial No. [(not yet assigned - D/A1334)] 10/042,356, U.S. Serial No. [(not yet assigned - D/A1656)] 10/042,357, U.S. Serial No. [(not yet assigned - D/A1657)] 10/042,359, U.S. Serial No. [(not yet assigned - D/A1658)] 10/042,360, the disclosures of which are totally incorporated herein by reference, and filed concurrently herewith, are polythiophenes and devices thereof. The appropriate components, processes thereof and uses thereof illustrated in these copending applications may be selected for the present invention in embodiments thereof.

**IN THE CLAIMS:**

Claim 1 is cancelled.

Claim 2 is cancelled.

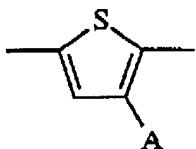
Claim 3 is cancelled.

Claim 4 is cancelled.

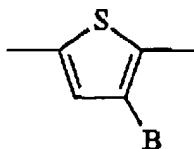
Claim 5 is cancelled.

6. (Amended) A thin film transistor device comprised of a substrate, a gate electrode, a gate dielectric layer, a source electrode and a drain electrode, and a semiconductor layer comprised of [the polythiophene of claim 1] a polythiophene derived from a monomer segment or monomer segments containing two 2,5-thienylene segments, (I) and (II), and an optional divalent linkage D

Application No. 10/042,342



(I)



(II)

—D—

wherein A is a side chain; B is hydrogen or a side chain; and D is a divalent linkage, and wherein the number of A-substituted thiénylene units (I) in the monomer segments is from about 1 to about 10, the number of B-substituted thiénylene units (II) is from 0 to about 5, and the number of divalent linkages D is 0 or 1.

17. (Amended) A thin film transistor device in accordance with **claim [1] 6** wherein D is a divalent linkage optionally comprised of a saturated moiety of alkylene, -O-R-O-, -S-R-S-, -NH-R-NH-, where R is alkylene or arylene, or an unsaturated moiety of an arylene or heteroaromatics.